DAIRY BARN AND YARD.

In Locating Them Care should Bo Taken to Scenre Effective Natural Drainage.

In locating a dairy barn care should be taken to have a gentle slope from the barn in at least one direction, affording good natural drainage for both barn and yard. If the barn is already built and poorly located, draining and grading will do much to remedy the evil. In most cases it would take but a small smount of labor with plow and scraper, when the ground is in suitable condition to handle, to give the surface of the yard a slope from the barn sufficient to carry off the surface water. Even if dirt has to be hauled in from outside the yard to accomplish this it will not be expensive. The drainage alone under a yard is not sufficient as the tramping of the cattle soon puddles the surface, preventing the water from passing down to the tile.

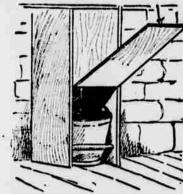
After the grading is done the yard should be covered with gravel or cinders. By putting the coarser in the bottom and the finer on top a good hard yard can be obtained and at a comparatively small expense where material of this kind is available. If this cannot all be done in one year, it is of the utmost importance that a beginning be made by grading and graveling a portion of the yard next the barn, so that the cows may have some place on which to get out of the mud and filth. By grading a part of the yard each year and applying a thick coat of gravel or cinders to the graded part, the entire yard will, in a few years, be in good condition. When gravel does not contain enought clay to pack hard, a small amount of clay should be mixed with the top layer. it will then form a firm substance.

A portion of the yard should be bedded, thus affording the cows a place to lie in the open air on pleasant tays. If straw is scarce the cleanest of the solied bedding from the stable will answer for this purpose. When the straw and manure on this bedded portion of the yard become too deep and soft it should be hauled into the field and the bedding commenced again on the solid yard .- W. J. Fraser, in Farmers' Review.

GOOD THING TO HAVE.

Chute for Lowering Pail Where Pigs and Calves Are to Be Fed in a Basement.

To feed a pig or calf in a basement, do not pour the milk down a spout, for the inside of the latter will soon become very filthy and hard to clean. Make a there like that shown in the cut, and



CHUTE FOR LOWERING PAIL

lower the pail down inside. When the pail is in place, raise the front by a cord running up to the first floor. slide, to be operated by a cord, would answer as well. Without the slide or raised front, the animal would hear the pail descending and would stick its head Into the chute.-Farm Journal.

UNDESIRABLE FLAVORS.

Best Butter Maker on Earth Cannot Produce a Good Article from Tainted Milk.

We can as a rule, I think, trace undesirable flavors in butter to the source of the milk. If a farmer, or producer as you call him, sends you milk that is dirty and full of hay dust, which is usually found by straining, and if hay and other filth get into the milk, you cannot expect to make good butter. You may say that by separation or pasteurtration you can destroy these bad flavors, but you cannot make the best butter of such milk. The best butter makers could not make the best butter out of such milk; they might make better butter than some, but not the best butter. So the undesirable flavors for the most part come from poor care of the milk, and I cannot urge too strongly the fact that to help our industry to make better goods and make uniformly better oods we must begin at the beginning. We have done a great deal, but we have begun at the wrong end; we have started with the creamery end, and we should start with the farmer. And every butter maker should realize the fact that to make better goods he has got to hold up his farmer for good milk. Good milk is the war cry; the milk should be kept up to a standard, and a high standard.-S. C. Kieth, before the National Creamery Butter Makers' association in Mil-

The water for the cows should be abundant and pure. Pure water in unlimited quantities is essential for the

Pure Water for the Cows.

health of the cow. But it comes bodily purification. With unclean or contaminated water the purification cannot be complete. Water is necessary also for the best digestion of food, and without all the water she needs the cow is fed wastefully. But water is not essential food. Milk is about 85 per cent. water. Someone has said that "some milk is Someone has said that "some milk is very much more than 85 per cent, water," but that is not the fault of the cow or the pasture. When the cow has insufficient water she does not make milk with less water in it, so that an artificial addition by the milkman is necessary; she simply makes less milk.—W. F. McSparran, in

COOLING FACTORY MILE.

Two Asswers,

man and woman, who expressed a wish

to be joined in the bonds of matrimony

person of scafaring aspect.
"Never, and never wanted to before,"

was the prompt reply.
"And have you ever been married be-

"No, sir," she replied, with equal promptness; and with a touch of humor

that appealed to the clergyman at once,

The marriage ceremony was speedily

"Kind Lady and No Dog."

The surveyors who were employed in laying out the line of the proposed

had fixed. One elderly housekeeper

terious signs, she studied them intent-

the house with a smile. When she re-

appeared she was armed with a scrub-

ing brush and some cleaning brick.

She at once proceeded to remove every

mark left by the surveyors .- Chicago

Mary Knew.

A few days ago a boy was missing

from a schoolroom in one of the up-town public school buildings. The teacher looked around and failed to see

the familiar face.
"Does any pupil know why Tommy
McGregor isn't in school to-day?" she

There was no reply.

The teacher repeated the query.

Then a little girl slowly lifted her

"Please, ma'am," she said, "I know,"

"And why does he stay away, Mary?"

Mary had read the contagious disease

eard that was tacked on front of the

What Joseph Was.

The Sabbath school teacher had been

telling the class about Joseph, particu-

larly with reference to his coat of many

colors, and how his father rewarded

him for being a good boy, for Joseph, she said, told his father whenever he caught any of his brothers in the act

"Can any little boy or girl tell me

"I know," one of the little girls said,

"A tattle-tale!" was the reply.-Bal-

Peculiarity of Snakes.

A snake tamer who had trained a

serpent to follow him around the

house, and even out of doors, hap-

pened one day to take it with him to a range place. The snake, unus

the locality, suddenly seemed to for-

get all his training, and, escaping into

the bushes, resisted capture with bitos

and every indication of wildness.

When caught it at once resumed its

wild immediately upon obtaining free-

dom, and to again become tame when

caught, is said to be a peculiarity of

"How did the hero of the story come out?" he asked of the lad who had just

rolled up a novel and got up to stretch

"He was a chump!" was the reply, in tones of disgust. "He had two guns, a

knife, a bronco, a lasso and a bottle of

pizen, and yit he let de villain punch de

breath out of him and git away wid de beroine and a million dollars in cash."

THE MARKETS.

| PORK_BlandardMess(new) | (j 13 10 | CHICAGO. | CHICAG

OATS—No. 2
PORK—Mess 12 50 9 12 55
PORK—Mess 12 50 9 12 55
RANSAS CITY
CATTLE—Native Steers 50 9 5 45
HOGS—Fair to Choice 5 25 76 5 20
WHEAT—No. 2 Red 50 66
CORN—No. 2 Mixed 64 77
OATS—No. 2 White
OATS—No. 2 White
FLOUR—High Grades 4 10 9 450
CORN—No. 2 6 61
OATS—No. 2 6 71
OATS—No. 2 6 71
OATS—No. 2 71
OATS—No. 3 71
OATS—

anakes .- N. Y. Tribune.

tame habits. The tendency to become

what Joseph was?" the teacher asked, hoping that some of them had caught

the idea that he was Jacob's favorite.

of doing wrong.

holding up her hand.

"What was he?"

timore News.

house .- Cleveland Plain Dealer.

"Please, ma'am, it's 'cause he's got

Evening News.

inquired.

she added: "I never had a chance!"

the question came to the

then and there.

fore?"

woman.

panion.

Sescription of a Milk House Which Will Prove Satisfactory in All Localities,

We are now receiving milk from 130 trons at the Dairy School creamery, and we advise our patrons to use such a milkhouse as is shown in the illustration for keeping of milk from day to day. Nearly every farm is supplied with a windmill and live stock watering tank. It will be a simple matter to erect some sort of a milkhouse on the plan of the diagram. The cans of milk may be set in the tank inside the milkhouse, and all the water which is pumped for the live stock by passing through this tank will keep the milk cold until it is ready to be taken to the



AN IDEAL MILKHOUSE.

factory. Where farmers are fitted up with such an arrangement as this, we receive a first-class quality of milk.

There is, of course, some danger from the water getting too warm when the wind does not blow. On this account the windmill is not the best farm power. Some of our patrons have small gasoline engines, which they use for this purpose and for running their farm machinery, such as a hand-separator, a feed grinding mill, etc. In such cases there is no difficulty in always having a good supply of cold water, provided the well is inexhaustible.

Most farmers in this neighborhood use eight-gallon cans. These are so small that the milk is cooled in a very short time after the cans are placed in the cold water. It is a good plan to stir the milk occasionally in the cans while it is cooling. This may be done by soldering a tin disc to a long, stiff wire handle with a loop on one end and pushing the disc up and down in the can of milk.

Where larger cans are used, the milk ought to be cooled in small cans and then added to the large cans after it has reached a temperature near 60 degrees.

All these arrangements and efforts to cool the milk are worthless if the cans are not thoroughly cleaned and scalded each day. When skim milk is returned from the factory, it often sours before it reaches the farm, especially in the hot, muggy weather of July and August. This sour milk should be emptied from the cans as soon as they are returned. and the taint which is left in them removed as much as possible by a thorough scalding and then airing in the bright sun. I think a great deal of the difficulty farmers have in keeping their milk sweet from day to day is the result

of improper washing of the cans. The souring of milk does not interfere with testing, except as it makes the milk more or less lumpy, and on this account is difficult to get a fair sample. Souring does not injure the fat or affect it in any way for testing. If the milk can be poured back and forth so as to get a fair sample of it and it is added to a test bottle at once, it may be tested as perfectly sweet milk .- Prof. E. H. Farington, in Country Gentleman.

CARE OF SEPARATORS.

e Kept Scrupulonaly Clean or Trouble Results for the Butter-Maker.

Buttermakers complain of the cream delivered to them by farmers who own hand separators. The difficulty in making as good butter from it as they could from the milk separated at the factory is the cause of the complaint.

Reasons for this are very simple and should be overcome. The first trouble is in not keeping the milking utensilu clean. They may appear clean, but they are not sterilized. They may have been washed, but bacteria adhere to them. The consequence is trouble for the buttermakers.

Another reason is carclessness in cooling the cream. Bacteria multiply and lactic acid develops readily at high temperatures, but low temperatures control the difficulty. Cream carelessly handled is soon loaded with gas contaminating ferments which carry nasty flavors. Cream from several milkings is often mixed, that of morning being put in with the night's, which is simply carelessness. One of the worst difficulties is that some are irregular in delivering, which results in batches of cream of different ages. A thorough system, well understood by the different farmers, would easily regulate this difficulty and eliminate the trouble.

The system of using form separators and carrying the cream, while leaving the milk at home, is all right. When farmers learn to keep their separators clean, the dairyhouse and all utensils neat and sweet, and to take proper care of the cows, milk and cream, the best possible conditions for factory butter will be provided .- Troy (N. Y.) Times.

Cows Need Gentle Treatment. A good-natured Irishman whose life had been spent with fractious mules was once hired to milk some cows and was cautioned to treat them gently. A loud "So, there," brought out a reprimand from the owner, when Pat said with innocent sincerity: "Why, sor, I wuddent hur-rt the baste." He thought the cow would register a disturbance the size of a small cyclone. There are many wellmeaning cow-herders who never beat or kick a cow, but who lose money every time they speak roughly to her. It is not enough that a cow be treated humanely-keep your voice low and be patient. A man who loses his temper with a cow is worse than the cow-he's a fool.

-Rural World. Another Use for Honey. In a little valley bordering on the Rhine the cutting of agates furnishes employment for a number of persons. Before cutting these stones they are soaked in honey for eight hours, and then in sulphuric acid for three hours. This operation gives to the stones a beau-tiful cloudy appearance which is great-ly admired in the finished product. The grape sugar contained in the honey, by its combustion in the sulphuric acid, pre-duces this discoloration. Every agate-cutter uses every year about 100 pounds of honey in his workshop.

GRATEFUL, HAPPY WOMEN Not long ago a Boston clergyman received an evening call from an elderly



Miss Muriel Armitage.

Catarrh.

Always Half Sick are the Women Who Have Pelvic Catarrh.

Catarrh of any organ, if allowed to progress, will affect the whole body. Catarrh without nervousness is very rare, but pelviceatarrh and nervousness go hand in hand.

What is so distressing a sight as a poor half-sick, nervous woman, suffering

from the many almost unbearable symptoms of pelvic catarri ? She does not consider herself ill enough togo to bed, but she is far from being able to do her

AWYER'S EXCELSIOR BRAND

Slickers

and Oiled Clothing

STARTING IT RIGHT.

This Woman Was Superstiflous About

Having Thirteen Stamps on

Her Package.

"How much postage will this pack-age require?" asked a woman at the window of the Ravenswood postal sta-tion, relates the Chicago Daily News.

"Thirteen cents," was the answer,
"Just exactly 13?"
"Yes."
"Think it would go all right?"
"Sure!"
"Woukin't it go for 12 cents?"

"Madan't I better put 14 cents on it?"
"Hadin't I better put 14 cents on it?"
"What for?"
"Thirteen is unlucky, you know.
Vouldn't it get lost?"

"Searcely,"
"Wouldn't it be sure to fetch up at the

An Old Soldier's Experience.

Dennard, Ark., Sept. 7th.—Mr. E. J. Hicks, merchant of this place, has written for publication, an account of a personal experience, which is very interesting.

"I am an old Federal Soldier," writes Mr. Hicks, "and shortly after the close of the war I was taken sick. I hadaches and pains all over me, fluttering of the heart and stomach trouble. I just simply was never a moment without pain. I could not sleep at night, and I was always tired and fearfully weak.

"I took medicine all the time, but for a long time I was mere dead than alive. Altogether I suffered for over twenty years, and I believe I would have been suffering yet, or in my grave, if I had not read of Dodd's Kidney Pills.

"I got an Almanac, which told me of this remedy, and I bought some of it. I started with three pills a day, but increased the dose to six pills a day. I had not used many till my pains began to disappear. I kept on, and now I can sleep and cat as well as ever I could, and I feel like a new man, with no pains or aches left.

"I will always recommend Dodd's Kidney Pills, for they are a wonderful remedy."

Improving.

"I'd like to know," demanded the irate passenger, "why you don't give better service on this line? Here I am 40 minutes late this morning."

"We are giving better service," retorted the railway inspector. "Last year this train was always 50 minutes late."—London Tit-Bits.

500,000 WOMEN

HAVE BEEN CURED OF FEMALE ILLS BY THE USE OF

LYDIA E. PINKHAM'S

VEGETABLE COMPOUND

If you are !!! and there is anything

about your case you do not under-stand, write Mrs. Pinkham at Lynn, Mass. for advice. It is free and will be

the means of restoring you to health.

An Old Soldier's Experience.

dead-letter office?

Female Weakness is Pelvic work without the greatest exhaustion.
This is a very common sight and is almost always due to pelvic catarrh. It is worse than foolish for so many women to suffer year after year with a disease that can be permanently cured.

Thank Pe-ru-na for Their

Perunacures catarrh permanently. It cures old chronic cases as well as a slight attack, the only difference being in the length of time that it should be taken to effect a cure.

If you do not derive prompt and satis-

factory results from the use of Peruna. write at once to Dr. Hartman, giving a full statement of your case, an

Our Queer Town Sames.

"You have such strange names for your was over heah," said a titled English-ian, "Weehawken, Hoboken, Pongikeepman. "Weehawker, Hoboker, Pengukeepsie, and ever so many others, don't you know!" "I suppose they do sound queer to English ears, said the American, thoughtfully. "Do you live in London all the time!" "Oh, ne, said the unsuspoining Briton, "I spend part of my time at the ping Norton, and then I've a place at Pokestorg on the Hike."—Boston Christian Register.

What She Thought.

A freshly made bride and bridegroom sauntered down Broadway, and the bride became angry because they attracted so much attention. The bridegroom suggested that she carry the suit case and the satenel, explaining that this was a sure way of averting suspicion. The bride figured awhile, and, after consulting the thermometer, came to the conclusion that she preferred the publicity.—N. Y. Letter.

Not Accurate Discription. Dumley—Gibbs, I understand that Tom-kins referred to me yesterday as an old fool. I don't think that sort of thing is right. Gibbs—Way, of course, it isn't right, Dum-ley. You can't be more than 40 at the out-side.—Stray Stories.

Opium and Liquor Habits Cured. Book free. B. M. Woolley, M. D., Atlanta, Ga. Lending a man a dollar is a deed of trust.
-Chicago Dally News.

Chicago, St. Paul-Minneapolis, four daily trains via the Chicago & North-Western

Silence is an excellent remedy for goustp. -Chicago Daily News. Any one can dye with Putnam Fadeless Dye, no experience required.

"Uardly." "Some pilfering clerk would steal it?"
"Uncle Sam's clerks are honest."
"Well, that may be, but I'm not going to start that stuff away from here with a hoodoo amount of postage sticking to it. The address would rub off, it would get smashed in the mail, even if it didn't roll out of the car and get under the wheels. That's not all. If the woman to whom it is addressed discovered that it came to her home for 13 cents, she'd find fault with the goods, he cross for a week, and finally throw the whole thing into the fire. Here's another cent; make it 14 and start it right." Persecution blows out the candle of pre-tense.-Ram's Horn.

FAMILY BOOKEEPING.

One Nusband Who Discourages Els Botter Half in Trying to Keep Accounts.

Thank Pe-ru-na for Their Recovery After Years of Suffering.

Miss Muriel Armitage, 36 Greenwood Ave., Detroit, Mich., District Organizer of the Royal Tempiars of Temperane, in a recent letter, says:

"I think that a woman naturally shrinks from making her troubles public but restored health has means so much to me that I feel for the sake of other antiering women it is my duty to tell what Peruus has done for me.

"I suffered for five years with uterine irregularities, which brought on hysteria and made me a physical wreek. I tried doctors from the different schools of medicine, but without any perceptible change in my condition. In my despair I calledon an old nurse, who advised me to try Peruna, and promised good results if I would persist and take itregularly. I thought this was the least I could do and procured a bottle. I knew as soon as I began taking it that it was affecting me differently from anything I had used before, andso I kept on taking it. I kept this up for six months, and steadily gained strength and health, and when I had used afteen bottles I considered myself entirely cured. I am a grateful, happy woman to-day."—Miss Muriel after bottles I considered myself entirely cured. I am a grateful, happy woman to-day."—Miss Muriel after bottles I considered myself entirely cured. I am a grateful, happy woman to-day."—Miss Muriel after bottles I considered myself entirely cured. I am a grateful, happy woman to-day."—Miss Muriel after bottles I considered myself entirely cured. I am a grateful, happy woman to-day."—Miss Muriel after bottles I considered myself entirely cured. I am a grateful, happy woman to-day."—Miss Muriel and health, and when I had used the conversation by imputed sy the course the ailments are mostly due to catarrh. Catarrh is the cause of the trouble. Peruna cures the catarrh of the pelvic organs with the same surely as it cures catarrh of the head. Peruna has become renowned as a positive cure for female aliments a sweet and the course of the trouble, Peruna cures the catarrh. T

Practical Poetry.

First Poet—What a boastful fellow Penholder is getting to be!
Second Poet—Yes. He claims that he has made enough writing verses on show during the summer to hire it shoveled off his sidewalk all winter.—Judge.

Stope the Cough and works off the cold. Laxative Bromo Quinine Tablets. Price 25 cents

A word to the wise is sufficient, buy why do agents call us smart men and then try to sell us a whole dictionary?—Chicago Trib

Do not believe Piso's Cure for Consumpon has an equal for coughs and colds. - J. Boyer, Trinity Springs, Ind., Feb. 15, 1900. Butcher-"Wasn't that a good steak I sent you yesterday!" Customer -good, durable steak." - Life.

SECURIT

Cenuine

Must Bear Signature of



See Pac-Simile Wrapper Below.

Yery small and as cory

to take as regar. CARTER'S FOR MEADACHE. FOR BILIOUSNESS. FOR TORPID LIVER. FOR CONSTIPATION. FOR SALLOW SKIN. FOR THE COMPLEXION

CURE SICK HEADACHE.

O STATES

Who's Afraid

The childish confidence which this illustration portrays shows exactly the confidence of every one who has ever

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Pepsin

No medicine ever put on the market

No medicine ever put on the market has met with such phenomenal cures and the output of our laboratory has increased steadily 500 per cent every year. This speaks volumes for Dr. Caldwell's Syrup Pepsin, which is positively guaranteed to cure dyspepsia, indigestion, constipation, malaria and all troubles arising from the stomach (excepting cancer), and if you will purchase a 50-cent or \$1.00 bottle from your druggist it will be a complete revelation to you. Heads off biliousness, induces sound and refreshing sleep, cures nervousness, and is praised by women in all parts of the country. We will be glad to send you a sample bottle and a little book on stomach troubles if you will send us a postal.

PEPSIN SYRUP COMPANY, Monticello, III.



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MALL-STONE CURE. "Greemer": Gelevine Cure

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They equal the ing you from \$4.00 to \$5.00. The immense sale of W. L.

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